

Ahura Energy Concentrating System

for

Lowest Cost Highest Reliability

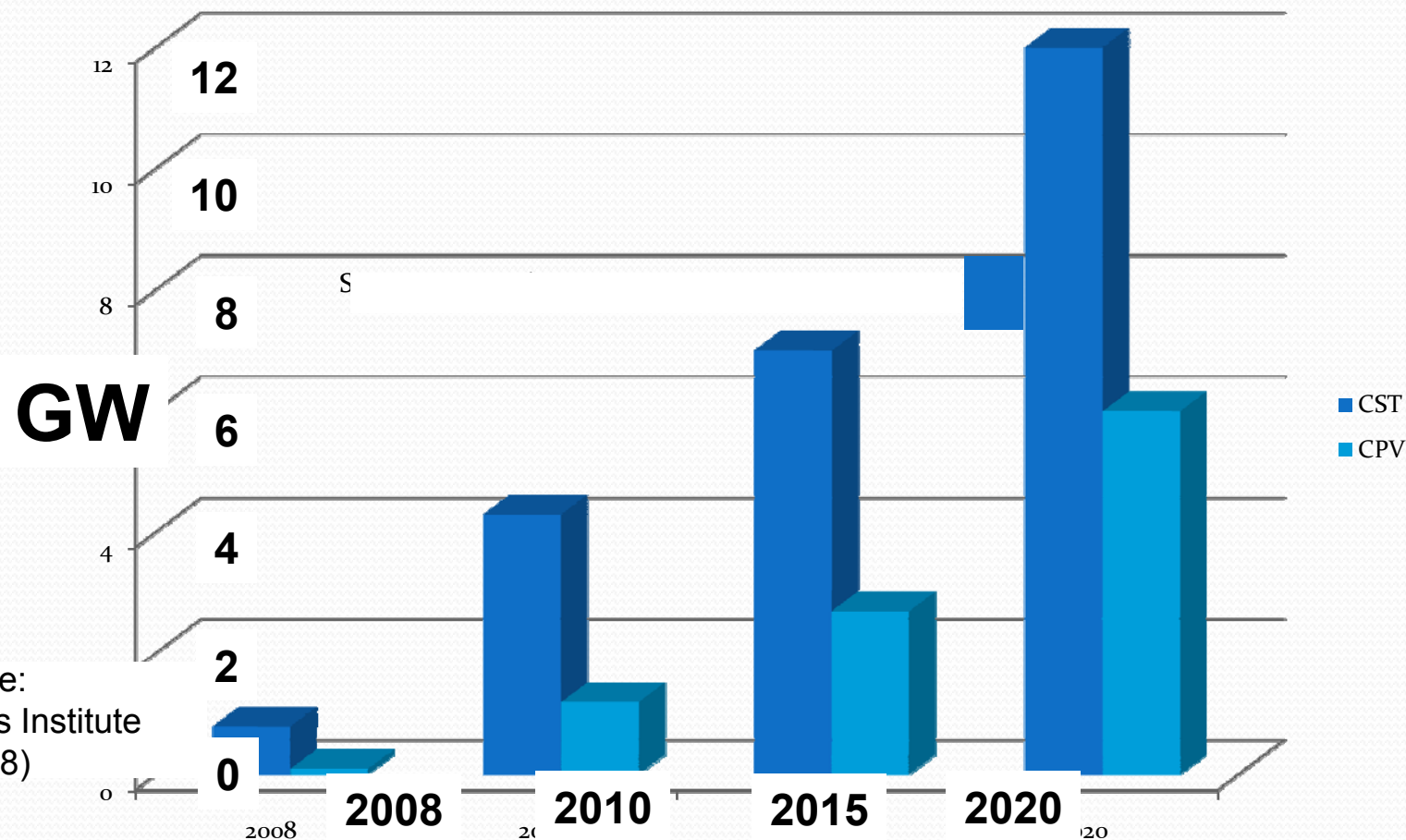
Solar & Thermal Applications

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Silicon Valley Based (Location: Saratoga, CA)
Incorporated 10/2006

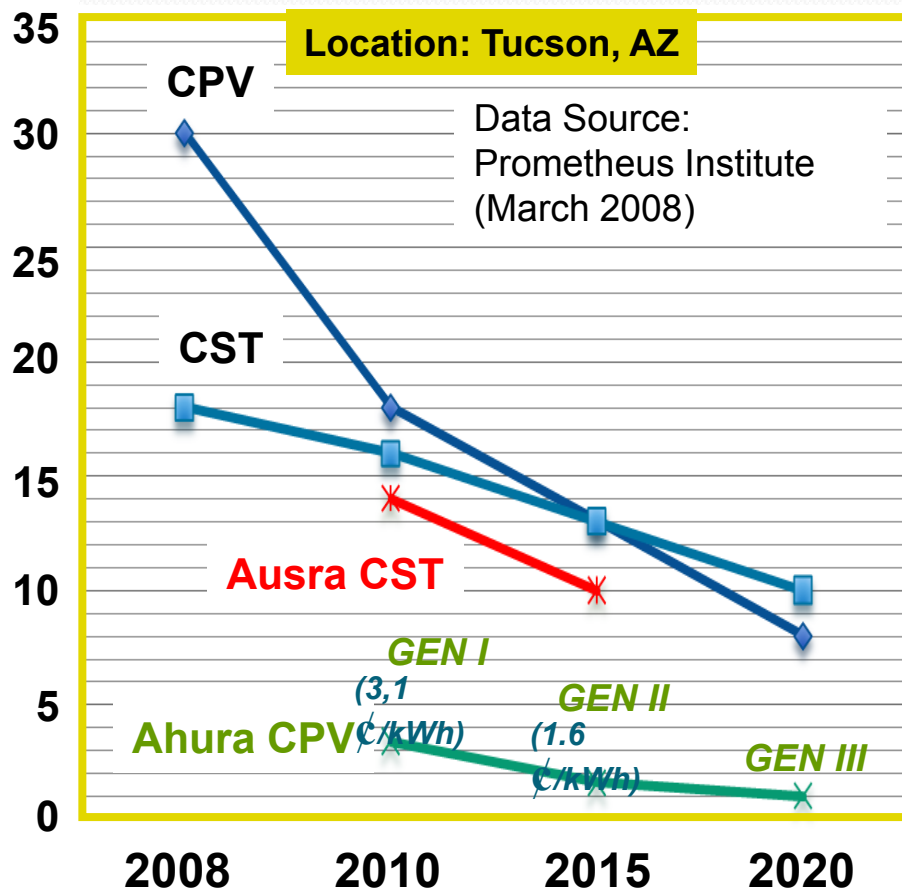
Fast Growing Concentrating Solar Thermal (CST) and Concentrating Solar PV (CPV) Market

■ Several \$B already contracted



The Need of Lower Cost Solution

LCOE (¢/kWh)



- Multiple emerging concentrating solar power system suppliers exist for both CST and CPV implementations
...but projections for a LCOE of less than 10¢/kwh are not probable until 2015 with their systems
- Key competitors, such as Abengoa, Ausra, have established manufacturing facilities and operating farms
- Ahura's technology:
 - 80% Less \$ Than closest Competition
 - 40% Less \$ Than Grid Parity \$...by tailoring the configuration for each major customer they can still differential themselves in competition for solar farms

Ahura Energy Concentrating System to Fulfill the Need

- **Provides customers with clean energy with production cost less than current available CST and CPV, coal/natural gas generation → i.e. < 5¢/kWh**
 - Implementations for both CPV and CST plants
 - Can be used for plant expansion as a replacement product or new solar plant installations
 - Allows product improvement for customers that both develop systems and manage solar production plants
- **Patent pending technology**
 - Filed for patent application with 60 claims
 - Securing sub-component manufacturing partners

The Benefits Offered by Ahura Energy

- **CST And CPV system suppliers which have a value proposition of:**
 - Present system replacement with lower LCOE
 - Reduction of their own development costs with purchase of system assembly
 - Options for use of next generation systems
- **Customers will be shown development system that is specific to a replacement of their present implementations**
- **Competitors tend to be solar system suppliers with costly custom solutions**

Business Model

■ Business Concept

- OEM sales for concentrating solar power generators and suppliers
- Use cash generated & PPAs to become system integrator
- Licensing to present/future CPV and CST system companies

■ Value Proposition

- At least 80% Lower cost of energy produced than any competitor
 - ✳ Uses flat inexpensive mirrors/lens instead of parabolic ones
 - ✳ Eliminates motors for dual-axis tracker systems
 - ✳ Reduces bill of material (BOM) significantly
- Significant increased reliability, fault tolerant design

■ Key strategies for today and tomorrow

- System output compatibility with initial OEM customer's products
- Use sales generated to finance growth as future system's integrator

Strategic Relationships

*Incubating at and working closely with
ITRI International (a subsidiary of ITRI) in Silicon Valley*

Verification & Validation	Outsourcing Manufacturing	Internal
<ul style="list-style-type: none">● NREL● Fraunhofer Institute● Sandia National Labs● Stanford University● EPRI● Others	<ul style="list-style-type: none">● Electronic Board● Flat Glass● Assemblies● Single-Axis Tracker Platform	<ul style="list-style-type: none">● μ Controller● Systems● Final Electrical/Mechanical Assembly

Development Status

- **Filed key patent application**
- **Have working prototype**
- **Develop pre production prototype one year**
 - Expected testing to start in 6 months after funding.
 - Engineering staff identified
 - Detailed project plan in development
 - Detailed engineering design completed

Manufacturing Milestone

...in one year, starting Nov. 2008 (expected)

